

ABSTRACT OF THE DISCLOSURE  
IMPROVEMENTS IN OR RELATING TO  
DYNAMIC MEDICAL IMAGING

5           A method of dynamic medical imaging in which the quality of image registration or motion correction between the frames is assessed by examining the temporal behaviour of a region of interest through the sequence, and in particular how closely the behaviour follows expected behaviour. For a temporal sequence a temporal model of the expected behaviour of the region of interest is available and the quality of fit between the  
10 model and the data points from the dynamic imaging sequence can be calculated. In image regions of high patient motion the fit will be poor, whereas if there is no patient motion the fit will be better. The quality of fit can be displayed on the image as an indication of the validity of motion correction, and in areas of poor fit the motion correction can be re-executed using different parameters to try and improve the fit  
15 between the behaviour model and the actual data points. The invention is applicable to any contrast-enhanced medical imaging technique.